

Express Mail Number: EV258281543US

Docket No. B-5174 621116-2

Date: July 24, 2003



19704 U.S. PRO  
10/627406

07/24/03

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): (1) André DeHon (2) Charles M. Lieber  
(3) Patrick D. Lincoln (4) John E. Savage

NOTE: Patent must be applied for in the name of all  
of the actual inventor or inventors.

For: "SUBLITHOGRAPHIC NANOSCALE MEMORY ARCHITECTURE"

Enclosed are:

1. The Papers Required For Filing Date Under 37 CFR 1.53(b):  
33 Pages of specification 1 Page of abstract 8 Pages of claims  
18 Sheets of drawings [X] formal [ ] informal  
(Figs. 1-6, 7A-7C, 8-9, 10A-10D, 11-25)

[X] In addition to the above papers there is also attached  
[ ] \_\_\_\_\_ Pages of a Preliminary Amendment dated \_\_\_\_\_

- [X] Postcard  
[ ] Check for filing fee in the amount of \$  
[X] unsigned Declaration/Power of Attorney (5 pages)  
[ ] Verified Statement Claiming Small Entity Status--  
Small-Business Concern (1 page)  
[ ] Cross-Reference To Related Application(s) (1 page)  
[X] Claim to Priority (1 page)  
[ ] Certified Copy of Application No.  
[ ] Information Disclosure Statement (2 pages) and  
Form PTO-1449 (modified) (1 page) with  
copies of documents cited in Form PTO-1449 (modified)  
[ ] Assignment Cover Sheet (1 page), Assignment document (1 page),  
and Check for \$40.00

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper and the documents referred to as enclosed  
therein are being deposited with the United States Postal Service in an Express  
Mail envelope with sufficient postage for Express Mailing on this date July 24,  
2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label  
Number EV258281543US addressed to the:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Karvn Lao  
(Typed or printed name of person mailing paper)

(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein  
has the number of the "Express Mail" mailing label  
placed thereon prior to mailing. 37 CFR 1.10(b).  
Application transmittal - Page 1 of 3

Enclosed

original       facsimile

executed by:

inventor(s)

legal representative of inventor(s) 37 CFR 1.42 or 1.43

joint inventor or person showing a proprietary interest  
on behalf of inventor who refused to sign or cannot be  
reached. 37 CFR 1.47.

petition and statement required by 37 CFR 1.47  
also attached. See item 7 below for fee.

Not Enclosed

Application is made by a person authorized under 37 CFR  
1.41(c) on behalf of all of the above named inventor(s). The  
declaration or oath, along with the surcharge required by 37  
CFR 1.16(e) can be filed subsequently.

Showing that the filing is authorized. (Not required  
unless called into question. 37 CFR 1.41(d)).

NOTE: Where the filing is a completion in the U.S. of an international  
application under 35 U.S.C. 371(c)(4) then the declaration must  
be filed.

### 3. Assignment

An assignment of the invention to  
(with separate cover sheet and separate check for \$40.00)

### 4. Certified Copy

A certified copy of Application No.  
from which priority is claimed.

NOTE: Must be referred to in oath or declaration. 37 CFR 1.55 and 163.

### 5. Fee Calculation

| CLAIMS                             | AS FILED     |          |                        |
|------------------------------------|--------------|----------|------------------------|
| Number Filed                       | Number Extra | Rate     | Basic Fee<br>\$ 750.00 |
| otal Claims 50 -20=                | 30 x         | \$ 18.00 | 540.00                 |
| ndependent Claims 5 -3=            | 2 x          | \$ 84.00 | 168.00                 |
| ultiple Dependent Claim(s), If Any | 1 x          | \$280.00 | 280.00                 |

Amendment canceling extra claims enclosed

Amendment deleting multiple dependencies enclosed

Fee for extra claims is not being paid at this time

NOTE: If the fee for extra claims are not paid on filing they must be  
paid or the claims canceled by amendment, prior to the expiration of the  
time period set for response by the Patent and Trademark Office in any  
notice of fee deficiency, 37 CFR 1.16(d).

Filing Fee Calculation \$ 1,738.00

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[X] This is a filing by a small entity.

Filing Fee Calculation (50% of above) \$ 869.00

**7. Fee Payment Being Made At This Time**

[X] Not Enclosed

[X] No filing fee is submitted. This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.

NOTE: Where the filing is a completion in the U.S. of an international application the fee must be paid.

[ ] Enclosed

[ ] filing fee \$ \_\_\_\_\_

[ ] recording assignment \$ \_\_\_\_\_  
(\$40.00; 37 CFR 1.21(h)(i))

[ ] petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached.  
37 CFR 1.47 and 1.17 (h) \$ \_\_\_\_\_

Total fees enclosed \$ \_\_\_\_\_

**8. Method of Payment of Fees**

[ ] check in the amount of \$ \_\_\_\_\_

[ ] charge account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

**9. Authorization to Charge Additional fees**

[ ] The Commissioner is hereby authorized to charge the following additional fees which may be required to Account No. \_\_\_\_\_:

[ ] 37 CFR 1.16 (filing fees and presentation of extra claims)

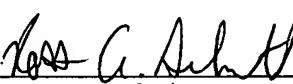
[ ] 37 CFR 1.17 (application processing fees)

[ ] 37 CFR 1.18 (issue fee at or before Mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application...prior to paying... issue fee".

**10. Instructions As To Overpayment**

[ ] Credit Account No. \_\_\_\_\_ [ ] refund

c/o LADAS & PARRY  
5670 Wilshire Boulevard  
Suite 2100  
Los Angeles, California 90036-5679   
Ross A. Schmitt

Telephone: (323) 934-2300  
Telefax: (323) 934-0202

Attorney  
Reg. No. 42,529

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